

ABSTRACT OF THE DISCLOSURE

Disclosed are combination glass pH electrodes, the standard potential of which is stabilized by means one or more of the following structural modifications:

- (a) incorporating a noble metal internal element in the pH half-cell;
- (b) incorporating a noble metal internal element in the reference half-cell;
- (c) incorporating an internal pH bulb electrolyte with stable pH and oxidation-reduction potential;
- (d) incorporating an homogenous reference electrolyte with stable oxidation-reduction potential and equitransferent salt;
- (e) incorporating a liquid junction composed of a porous, inert material;
- (f) incorporating a reference electrolyte compartment vent;
- (g) incorporating a storage sleeve, with or without an absorbent medium located therein.